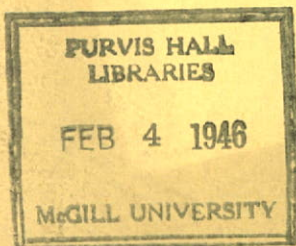


BRITISH COLUMBIA POWER CORPORATION LIMITED

ANNUAL REPORT



1931



BRITISH COLUMBIA POWER CORPORATION LIMITED



ANNUAL REPORT

For the year ended June 30th
1931

BRITISH COLUMBIA POWER CORPORATION LIMITED

Owens and controls the following companies:

BRITISH COLUMBIA ELECTRIC RAILWAY COMPANY, LIMITED.

BRITISH COLUMBIA ELECTRIC POWER & GAS COMPANY, LIMITED.

VANCOUVER POWER COMPANY, LIMITED.

WESTERN POWER COMPANY OF CANADA, LIMITED.

BRIDGE RIVER POWER COMPANY, LIMITED.

BURRARD POWER COMPANY, LIMITED.

VANCOUVER ISLAND POWER COMPANY, LIMITED.

NATIONAL UTILITIES CORPORATION, LIMITED.

VANCOUVER, FRASER VALLEY & SOUTHERN RAILWAY COMPANY.

COLUMBIA ESTATE COMPANY, LIMITED.

BRITISH COLUMBIA RAPID TRANSIT COMPANY, LIMITED.

VICTORIA ELECTRIC COMPANY, LIMITED.

VICTORIA GAS COMPANY, LIMITED.

1931

BRITISH COLUMBIA POWER CORPORATION LIMITED

Officers

W. G. MURRIN		<i>President</i>
A. T. GOWARD		<i>Vice-President</i>
E. H. ADAMS		<i>Vice-President</i>
J. I. NEWELL		<i>Vice-President</i>
E. ROGERS		<i>Secretary</i>
E. H. ADAMS		<i>Treasurer</i>

Directors

HON. SIR F. S. BARNARD, K.C.M.G.	SIR HERBERT HOLT
C. E. CALDER	GEORGE KIDD
JOHN DAVIDSON	W. G. MURRIN
S. GODIN, Jr.	A. J. NESBITT
A. T. GOWARD	RT. HON. VISCOUNT ROTHERMERE
J. H. GUNDY	P. A. THOMSON
ANDREW P. HOLT	W. J. BLAKE WILSON
J. B. WOODYATT	

ROYAL BANK OF CANADA		<i>Bankers</i>
ROYAL TRUST COMPANY		<i>Registrar</i>
MONTREAL TRUST COMPANY		<i>Transfer Agent</i>
PRICE, WATERHOUSE & CO.		<i>Auditors</i>

Head Office of the Corporation

B. C. ELECTRIC BUILDING
Vancouver, B. C., Canada

FACTS ABOUT YOUR CORPORATION AND ITS SUBSIDIARIES

(as at June 30, 1931)

1. It serves a territory of over 1,500 square miles;
2. It renders service to a population of over 385,000, embracing 27 different communities;
3. It has 9 hydro-electric plants and 4 steam plants;
4. It has 66 substations and transformer stations;
5. It has 573 miles of high-tension transmission lines;
6. It has 2,037 miles of distribution pole lines;
7. It has 39 city street car and bus routes;
8. It has 4 interurban lines;
9. It employs 4,000 people;
10. It paid out in wages and salaries during the year more than \$6,750,000;
11. It operates 192 miles of street car lines;
12. It operates 159 miles of interurban car lines, a total of 351 miles;
13. It operates 421 city and interurban passenger cars;
14. It operates 12 electric locomotives;
15. It operates 443 express freight and service cars;
16. It operates 32 motor buses and 18 motor freight trucks;
17. It operates 342 miles of motor bus and 113 miles of motor freight service;
18. It operated 16,690,340 passenger car and bus miles during the year;
19. The power generated by its power plants during the year totalled 496,964,355 K.W.H.;
20. It operates 11 stores for the sale of electric and gas appliances;
21. It has 2 gas plants, with a total daily capacity of 9,100,000 cubic feet.

BRITISH COLUMBIA POWER CORPORATION LIMITED

NOTICE OF ANNUAL GENERAL
MEETING OF SHAREHOLDERS

Vancouver, September 16, 1931.

NOTICE IS HEREBY GIVEN that the Annual General Meeting of the Shareholders of the British Columbia Power Corporation Limited will be held in the Auditorium of the B. C. Electric Building, 602 Granville Street, Vancouver, B. C., on Monday, the 5th day of October, 1931, at the hour of 12 o'clock noon:

- (1) To receive the Annual Report of the Directors;
- (2) To receive the Company's Balance Sheet made up to June 30, 1931, and Statement of Income and Expenditure for the financial period ending on that date;
- (3) To receive the Auditors' Report thereon;
- (4) To elect Directors for the ensuing year;
- (5) To appoint Auditors for the ensuing year; and
- (6) For the transaction of such other business as may legally come before the meeting.

By Order of the Board of Directors,

ERNEST ROGERS,

Secretary.



Ruskin Dam

ANNUAL REPORT

of the Directors of

BRITISH COLUMBIA POWER CORPORATION LIMITED

Submitted at the Third Annual Meeting of the Shareholders held on
Monday, 5th October, 1931

TO THE SHAREHOLDERS:

Your Directors beg to submit the following Report and Financial Statements covering the operations of your Company and its Subsidiaries for the year ended 30th June, 1931.

INCOME AND EXPENSE STATEMENT

Gross Revenue \$15,119,945.62

EXPENSES:

Operating Expenses	\$7,231,984.77
Taxes	994,438.00
Depreciation and Renewals Reserve.....	1,870,965.14
	10,097,387.91

Net Revenue \$ 5,022,557.71

Deduct—

Bond Interest, proportion of Bond Discount written off and Preference Dividends	2,585,741.82
--	--------------

	\$ 2,436,815.89
Dividends on Class A Shares for the year.....	2,000,000.00

Surplus for the year.....	\$ 436,815.89

BRITISH COLUMBIA POWER CORPORATION LIMITED

REVENUE

Notwithstanding the general depression in business, it is satisfactory to record increased earnings in the Electric and Gas Departments. This increase has been brought about by the addition during the year of 4,900 electric consumers and 2,400 gas consumers, and by increased sales of appliances consuming gas and electricity.

Due to the reduced number of passengers carried and the smaller quantity of freight hauled, the earnings of the Transportation Department show a reduction compared with last year. This is a condition prevailing in all transportation systems, affecting both passenger and freight traffic throughout the country.

The gross revenue from all sources, in consequence of reduced railway earnings, shows a decline of \$314,396.00 compared with last year.

EXPENSES

It will be remembered that during the financial year 1930 the expenses of operation were substantially increased as a result of the serious water shortage. The absence of water shortage expenses this year, together with other economies in operation which we have been able to effect, have enabled us to decrease the operating expenses by \$1,047,046.00.

NET REVENUE AND SURPLUS

As a result of the economies referred to and the absence of water shortage expenses, there is a surplus of revenue amounting to \$436,816.00, after providing depreciation and paying interest and fixed dividends, as well as the usual dividend of \$2.00 per share on the Corporation's "A" Stock. This compares with a surplus of \$188,194.00 last year.

PLANT ADDITIONS AND BETTERMENTS

The expenditures during the year on additional electric plant, together with the extension of electric and gas services and improvements and additions to other sections of the Company's business, amounted to \$5,015,968.00.

RUSKIN DEVELOPMENT—The construction of the first unit of 47,000 h.p. at Ruskin was completed and brought into operation in November, 1930. The plant was opened and dedicated to the public service on November 18th by Lieutenant-Governor Randolph Bruce and Premier Tolmie, representing the Province of British Columbia. There were also present on this occasion the Mayors and Aldermen of all the cities and municipalities on the Lower Mainland, together with representatives of all public bodies.

This plant with its two independent transmission lines was completed in record time. In view of its proximity to the power demand centres it constitutes a further assurance of additional and uninterrupted power supply, as well as being of great value for emergency purposes, for which it was particularly designed.

This is only the first stage in the construction of this plant, which is designed for the installation of three further units, giving an ultimate capacity of 188,000 h.p. These additional units can be readily installed to take advantage of any change in business conditions or to meet emergencies.

BRITISH COLUMBIA POWER CORPORATION LIMITED

BRIDGE RIVER DEVELOPMENT—The concrete lining of the tunnel, 16 feet in diameter and 13,215 feet long, has been proceeded with and will be completed in October, 1931.

The survey work, acquisition and clearing of the main transmission line, have been practically completed and designs for the machinery and equipment to be installed have been prepared, so that this additional plant can be brought into service in accordance with the general scheme of power development prepared to meet the power demand in the districts served.

JORDAN RIVER DEVELOPMENT—An additional generating unit of 18,000 h.p. was installed and completed in January, 1931. This installation, together with the pipeline and subsequent flume enlargement, insures to the territories served on Vancouver Island an ample supply of power to meet future requirements.

CAMPBELL RIVER DEVELOPMENT—The preliminary plans for the development of this hydro-electric site on Vancouver Island have been prepared and submitted to the Provincial Water Board, so that construction work can proceed along with any definite plans for industrial development in this section, as well as providing for future power demands on the Island.

NEW PROPERTIES—Plant improvements and service extensions have been made in connection with the more recently acquired properties at Kamloops, and in the Alberni, Qualicum and Parksville districts on Vancouver Island.

The Agassiz District has been connected to our main transmission system by the construction of a new line, enabling us to dispense with the local plant, which was expensive and unreliable.

DISTRIBUTION SYSTEM—The extension of the distribution system in the suburban and rural districts, together with additions to substation equipment and machinery to meet future growth and demand, called for considerable capital outlay. The work of rearranging and enlarging the Horne-Payne and North Vancouver substations brings these stations up to a high state of efficiency.

The changing over of the distribution system from 2,000 to 4,000 volts has continued during the year, and the enlargement of the Burnaby substation, to accommodate the additional equipment incidental to the bringing in of Ruskin power, has been completed.

TRANSPORTATION SYSTEM—With the growth in population in the suburban areas, additional facilities in the form of buses, acting as feeders to the railway system, have been provided.

Arrangements were made for the extension of one-man operation on additional lines, and structural alterations were carried out on a number of street cars to provide for this method of operation.

GAS SYSTEM—Thirty-three miles of gas mains were installed during the year. To meet the increased demand for gas service, and to provide for future growth, plans have already been made for the construction during the coming year of an additional coal gas generating plant with a capacity of 3,000,000 cubic feet per day. It is anticipated that with the completion of this plant the consumption of British Columbia coal will amount to 100,000 tons per annum, which should be of con-

BRITISH COLUMBIA POWER CORPORATION LIMITED

siderable benefit to the coal industry in offsetting to some extent the competition of imported fuel oil.

GENERAL OPERATIONS

LIGHT AND POWER SYSTEM—While there has been a considerable reduction in the use of industrial power in consequence of the business depression, the total consumption of energy, due to intensive sales effort, has resulted in an increase over previous years as follows:

	K.W.H.	CONSUMERS	MOTOR LOAD IN H.P.
1931	372,282,045	118,267	157,100
1930	351,047,572	110,436	151,244
1929	342,627,810	105,908	141,378
1928	290,405,805	100,337	128,341
1927	263,720,953	94,611	121,747

LIGHT AND POWER RATES—Further reductions in the Domestic and Commercial rates took place in the Fraser Valley Districts and in West Vancouver. These reductions in rates, averaging about twenty per cent., will result in a very considerable saving to the consumers in these areas.

It has been the policy of the Company to reduce rates whenever possible. The rates charged for light and power, both for domestic and commercial use, in the various districts served by the Company are among the lowest on the Pacific Coast, and bear very favourable comparison with any city in Canada or the United States with which they may reasonably be compared.

The consolidation of services, whereby all energy for lighting, cooking and heating purposes is measured through one meter, has enabled consumers to take advantage of the 2-cent rate for a substantial part of their energy requirements.

GAS SYSTEM—The winter of 1930-31 was extremely mild, and as a result the demand for gas for heating purposes was below normal. In spite of this, with the greater number of heating installations completed during the year and the increased consumption of domestic gas, the total quantity of gas sold shows an increase, as will be seen from the following figures:

	GAS SOLD CUBIC FEET	GAS CONSUMERS	MILES OF MAINS
1931	1,272,870,000	50,697	572.42
1930	1,263,048,000	48,307	539.02
1929	1,192,433,000	45,163	491.33
1928	1,070,810,000	41,144	441.92
1927	977,902,000	36,484	372.82

RAILWAY SYSTEM—In common with all other transportation concerns, the general decline in business activity has been most keenly felt in our railway business. The slowing up in the building trade, and the condition of the lumber business, on which so many industries are dependent, are largely responsible for the decline in the number of passengers carried. Notwithstanding the reduction in passengers carried, the railway services have been kept up to the highest standards of efficiency. The

BRITISH COLUMBIA POWER CORPORATION LIMITED

number of car miles operated over the railway system shows an increase over the previous year of 561,000 miles as the result of the increased number of cars in service, particularly during rush hours.

Our freight revenue is earned very largely through our participation in the movement of transcontinental freight in conjunction with the steam railroads with which our system is connected. In common with all steam railways, the freight department tonnage and receipts show a heavy decline owing to the reduced movement of lumber products and the smaller quantity of incoming transcontinental freight brought into the districts served by our interurban freight lines.

The passengers carried and freight tonnage compare with previous years as follows:

	PASSENGERS CARRIED	FREIGHT TONNAGE
1931	74,249,659	343,320
1930	76,113,550	454,111
1929	77,694,731	533,391
1928	77,063,656	487,896
1927	75,113,022	481,690

NEW FINANCING

To provide for the redemption of the £770,000 5% 1944 Debentures of the British Columbia Electric Railway Company, Limited, which took place on 15th June, 1931, a further issue of \$4,000,000.00 5% Collateral Trust Sinking Fund Bonds, Series "B," was made. This refinancing represents a saving in interest charges, as the Company, in addition to the interest rate of 5%, was obligated to pay British Income Tax at the rate of 4/6 in the pound sterling on the issue of 1944 Debentures, bringing the total annual charges on these debentures up to approximately 6¼%.

TAXATION

The burden of taxation on the Company continues increasingly heavy, and with the 25% increase in taxes to be imposed by the Dominion and Provincial Governments, together with increases in municipal taxes, will constitute a very serious charge against the Company's revenues.

The following is a comparison of the taxes imposed by the Dominion, Provincial and Municipal authorities during the last five years:

1931	\$994,438.00
1930	965,169.00
1929	934,985.00
1928	891,143.00
1927	831,550.00

The above taxes do not include indirect taxes, in the nature of sales tax on materials, stamp and other revenue taxes, which amount to a considerable sum.

While there can be no possible objection to contributing a fair and just amount towards the cost of administering the affairs of the country, it must be recognized that any amount in excess of this is an unfair burden on the industry and can only be collected by the Company through the medium of rates and charges for the services performed.

BRITISH COLUMBIA POWER CORPORATION LIMITED

EMPLOYEES

The number of employees on the payroll at 30th June, 1931, was 4,000, and the Directors desire to express their appreciation to all members of the staff for their loyalty and efficiency, and to record the harmonious relationship existing in all branches of the service.

MAINTENANCE OF PROPERTY AND PLANT

The properties and plants of the various operating Companies have been maintained in the same high state of efficiency as heretofore, due regard being given to the comfort and needs of the Public whom we serve.

GENERAL

In the conduct of our business many interviews and discussions take place with Provincial, Civic and Municipal authorities, and it is a pleasure to be able to refer to the friendly and harmonious manner in which all our negotiations have been carried on.

A special committee of the Vancouver City Council was appointed to consult with the Company, particularly on transportation matters, and your Directors are appreciative of the assistance and co-operation of this Committee.

At a time when we are passing through an unprecedented world-wide business depression, the Accounts submitted herewith show that the Company is in a sound financial position. The programme of construction and development, which has brought many additional facilities to completion, has placed the Company in a position to adequately take care of its responsibilities in furnishing the important services connected with the power, transportation and gas businesses, together with the growth which may be anticipated in the demand for these services with the return to more normal business conditions.

The large sum of money which the Company has expended on labor and materials, in connection with the maintenance of its properties and in the construction and extension of its facilities, is a material factor in the welfare of the districts in which we operate.

A very large part of the material used is purchased in British Columbia and almost entirely in Canada, and the expenditure on wages, amounting to \$6,750,000.00 for the year, assures steady and remunerative employment to a large number of men and women.

AUDIT OF ACCOUNTS

The Balance Sheet and Accounts have been certified by Messrs. Price, Waterhouse & Co., Chartered Accountants, whose report is attached.

Respectfully submitted on behalf of the Board,



President.

AUDITORS' REPORT

To the Shareholders of the

British Columbia Power Corporation Limited:

We have examined the Books and Accounts of the British Columbia Power Corporation Limited, and its Subsidiary Companies, for the year ended June 30, 1931, and have obtained all the information and explanations which we have required.

The charges to the Plant and Equipment Accounts during the year are in respect of actual additions, extensions or permanent improvements. Adequate provision has been made for Depreciation and Accruing Renewals.

The valuations of the stocks of Stores, Materials and Supplies on hand, as shown by inventories certified by the responsible officials, have been verified as made at average cost.

Full provision has been made for Bad and Doubtful Accounts Receivable and for all ascertainable liabilities.

We have verified the cash and investments by actual count, or by certificates from the depositaries, and have satisfied ourselves that the investments are valued at market.

The Bonded Debt and Capital Stocks outstanding have been confirmed by certificates from the Trustees and Registrars.

And we certify that, in our opinion, the attached Consolidated Balance Sheet at June 30, 1931, is properly drawn up so as to exhibit a true and correct view of the state of the affairs of the Corporation and its Subsidiary Companies, according to the best of our information and the explanations given to us and as shown by the books of the several Companies.

PRICE, WATERHOUSE & Co.,
Chartered Accountants.

Marine Building,
VANCOUVER, B. C.,
August 17, 1931.

BRITISH COLUMBIA POWER

AND SUB

Consolidated Balance Sheet

ASSETS

CURRENT AND WORKING ASSETS:

Cash at Bank and at Call	\$3,151,931.09
Investments	1,308,722.83
Accounts Receivable	1,487,100.33
Insurance Unexpired and Prepaid Items	102,728.08
Employees' Housing Loans, Mortgages, etc.	715,481.83
Stores, Materials and Supplies	2,124,357.42
	\$ 8,890,321.58

SINKING FUND—VANCOUVER POWER CO. LTD. 4½% DEBENTURES:

Cash and Securities in hands of Trustees	338,400.84
--	------------

BOND DISCOUNT—Balance	355,862.00
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FIXED ASSETS:

Balance as at June 30, 1930, and additions during year	134,840,485.76
--	----------------

\$144,425,070.18

Approved on behalf of the Board,



Director



Director.

CORPORATION LIMITED

SIDIARIES

as at June 30, 1931

LIABILITIES

CURRENT AND ACCRUED LIABILITIES:

Accounts Payable, including Reserve for Income	
Taxes	\$2,469,082.77
Debenture and Bond Interest accrued.....	504,455.32
Dividends declared, since paid.....	749,702.95
	\$ 3,723,241.04

BONDED DEBT (as per statement attached).....	39,065,149.60
--	---------------

CAPITAL STOCKS OF SUBSIDIARY COMPANIES HELD BY PUBLIC:

<i>British Columbia Electric Railway Co. Ltd.—</i>	
5% Cumulative Perpetual Preference	
Stock	\$6,984,000.00

<i>British Columbia Electric Power & Gas Co. Ltd.—</i>	
6% Cumulative Preference Shares.....	5,000,000.00

Minority Shareholders of Subsidiary Companies	98,775.81
---	-----------

12,082,775.81

RESERVES:

Depreciation and Renewals.....	\$21,220,423.10
General and Accident	1,504,942.49
	22,725,365.59

CAPITAL STOCK AND SURPLUSES (as per statement attached)	66,828,538.14
---	---------------

Represented by—

1,000,000 Class A shares and 1,000,000 Class B shares, part of an authorized issue of 1,500,000 Class A shares and 1,500,000 Class B shares, both classes without nominal or par value.

\$144,425,070.18

Submitted with our Report dated August 17, 1931.

PRICE, WATERHOUSE & Co.,
Chartered Accountants.

BRITISH COLUMBIA POWER CORPORATION LIMITED
AND SUBSIDIARIES

*Capital Stock and Consolidated Surplus and Profit and Loss Account
as at June 30, 1931*

CAPITAL STOCK AND SURPLUSES:

Balance as at June 30, 1930..... \$65,365,764.59

PROFIT AND LOSS ACCOUNT:

Balance as at June 30, 1930..... \$1,025,957.66

YEAR ENDED JUNE 30, 1931—

Gross Revenue \$15,119,945.62

Less—

Operating Expenses,
including Muni-
cipal Taxes..... \$7,779,963.84

Provision for De-
preciation and
Renewals 1,870,965.14

Provision for In-
come Taxes 446,458.93

10,097,387.91

Net Revenue \$ 5,022,557.71

Deduct—

Interest on Bonded Debt, propor-
tion of Bond Discount written
off and Dividends on Preference
Stocks of Subsidiary Companies 2,585,741.82

2,436,815.89

\$3,462,773.55

Deduct—

Dividends on Class A shares for the year ended
June 30, 1931 2,000,000.00

1,462,773.55

Balance carried forward \$66,828,538.14

BRITISH COLUMBIA POWER CORPORATION LIMITED

AND SUBSIDIARIES

Bonded Debt as at June 30, 1931

BRITISH COLUMBIA POWER CORPORATION LTD.:

5½% First Refunding and Collateral Trust Sinking
Fund Gold Bonds, Series "A," maturing March 1,
1960—

Authorized and Issued..... \$10,000,000.00

5% First Refunding and Collateral Trust Sinking
Fund Gold Bonds, Series "B," maturing March 1,
1960—

Authorized and Issued..... 4,000,000.00

\$14,000,000.00

BRITISH COLUMBIA ELECTRIC RAILWAY CO. LTD.:

4¼% Perpetual Consolidated Debenture Stock..... £2,788,170 0 0

@ \$4.85 13,522,624.50

VANCOUVER POWER CO. LTD.:

First Mortgage 4½% Debentures—

Authorized and Issued..... £ 220,000 0 0

Less—

Pledged as collateral security
for 4¼% Perpetual Consol-
idated Debenture Stock of
British Columbia Electric

Railway Co. Ltd..... £105,700 0 0

Purchased for Sinking Fund..... 13,000 0 0

Redeemed 68,800 0 0

187,500 0 0

£ 32,500 0 0

4¼% Perpetual Guaranteed Debenture Stock—

Authorized £1,917,350, of which issued..... 1,500,000 0 0

£1,532,500 0 0

@ \$4.85 7,432,625.00

WESTERN POWER CO. OF CANADA LTD.:

First Mortgage 5% Sinking Fund Gold Bonds,
maturing July 1, 1949—

Authorized and Issued..... \$5,000,000.00

Less—

Redeemed \$569,259.93

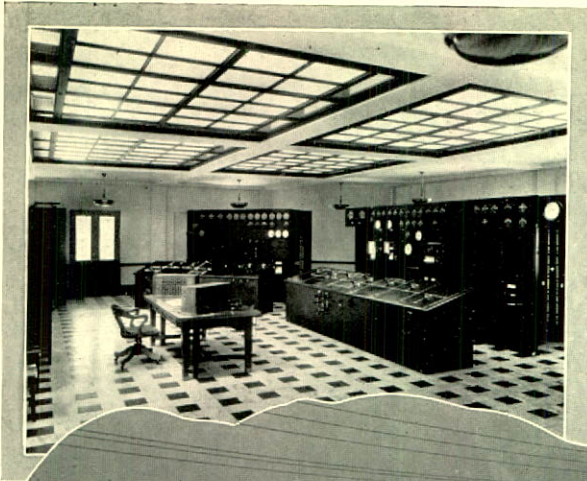
Held by British Columbia

Electric Railway Co. Ltd..... 320,839.97

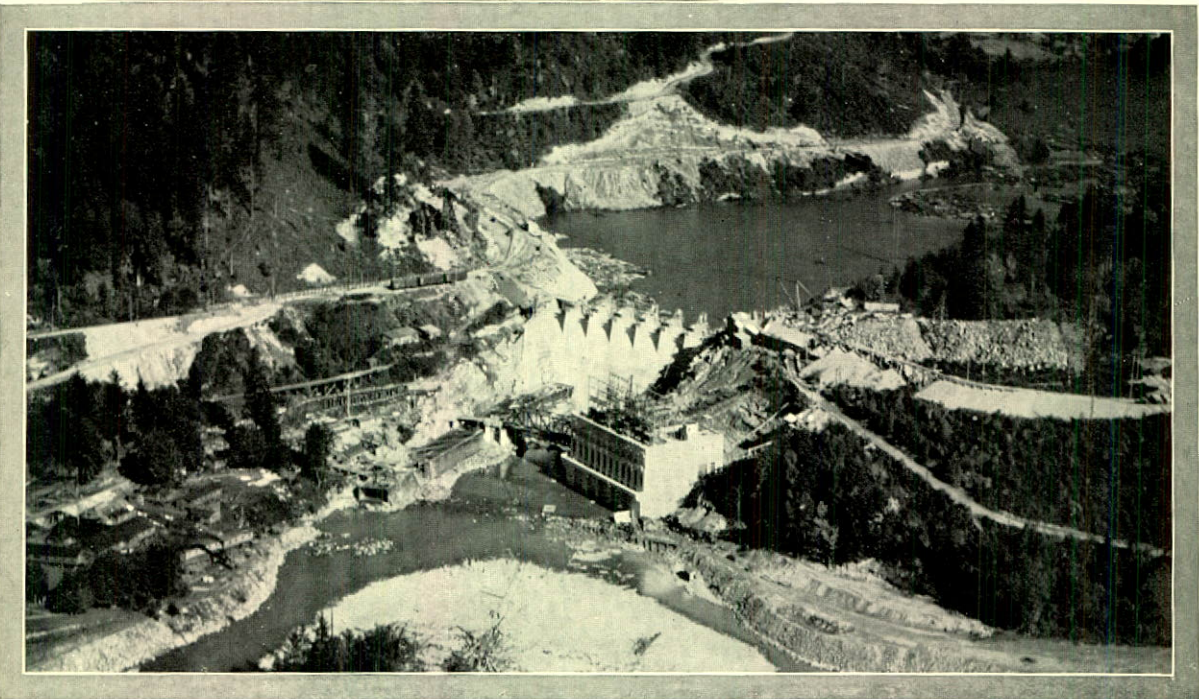
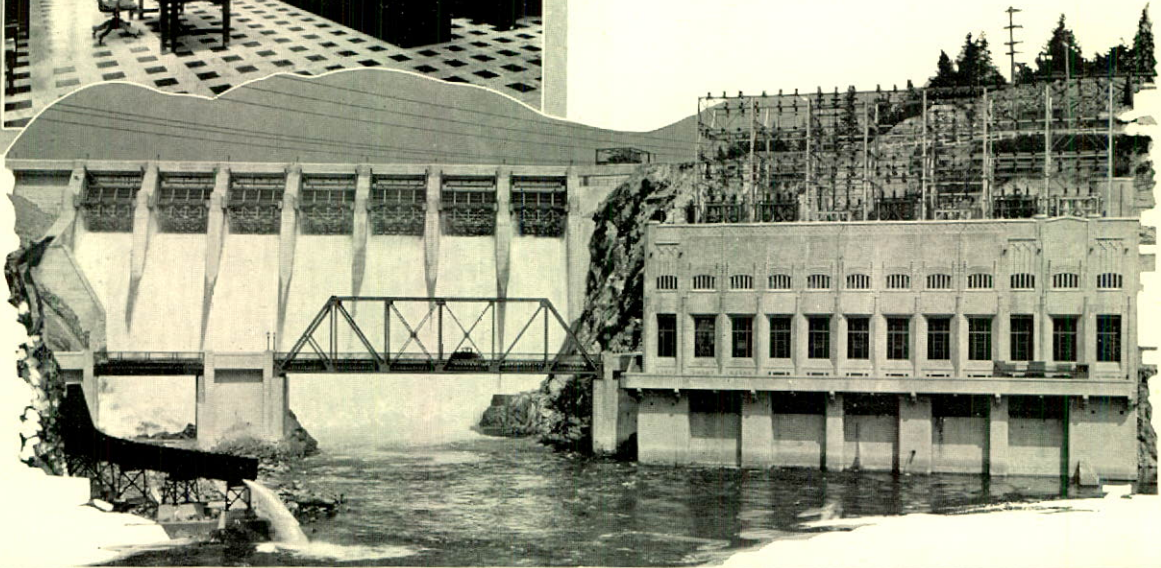
890,099.90

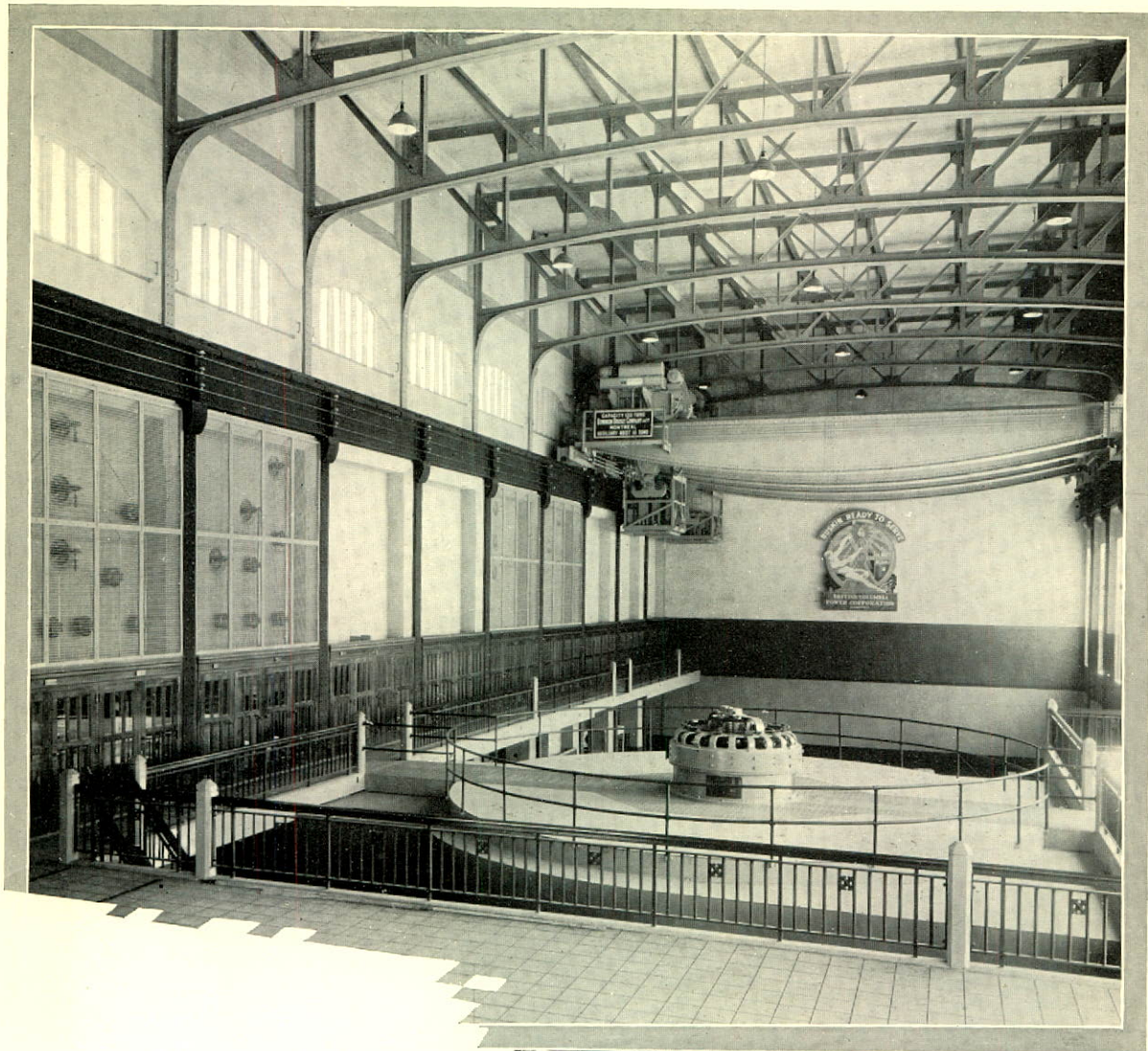
4,109,900.10

As per Consolidated Balance Sheet..... \$39,065,149.60

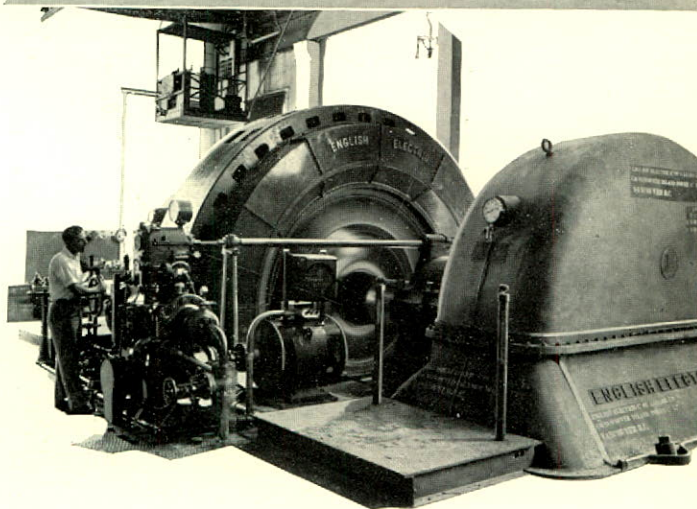


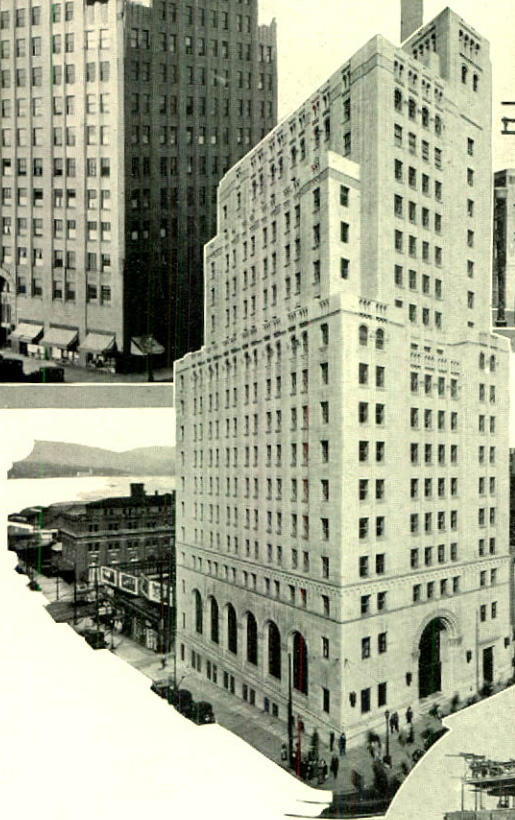
The new Ruskin power plant, near Vancouver, opened on November 18, 1930. At top of page: The control room. Centre: View of dam and power house. At foot: Aerial view of development nearing completion.



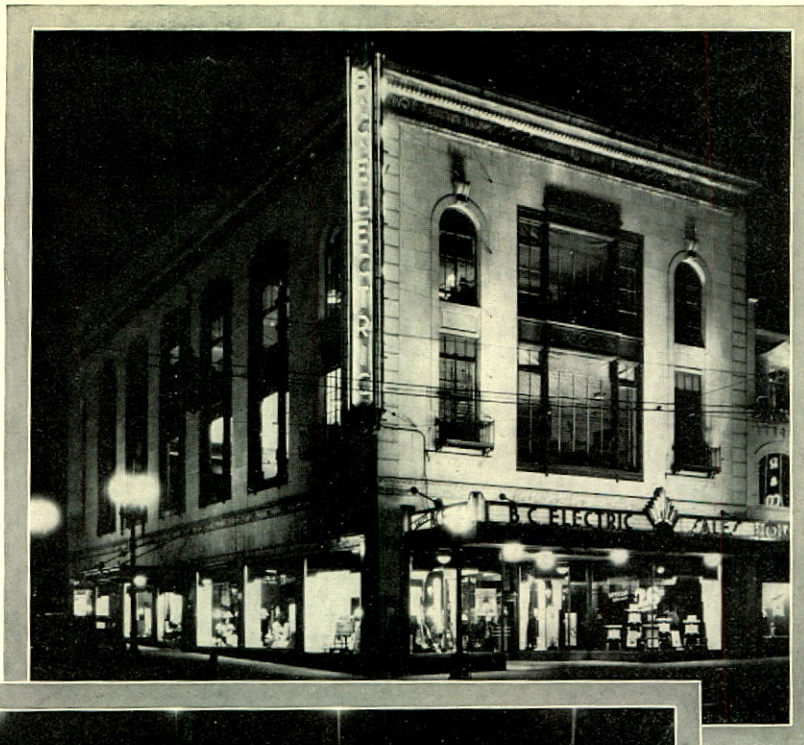


Two pictures of recently added generating equipment. Upper: Interior of new Ruskin plant, showing 47,000 horsepower generator. Lower: New 18,000 horsepower generator in Jordan River plant, near Victoria.



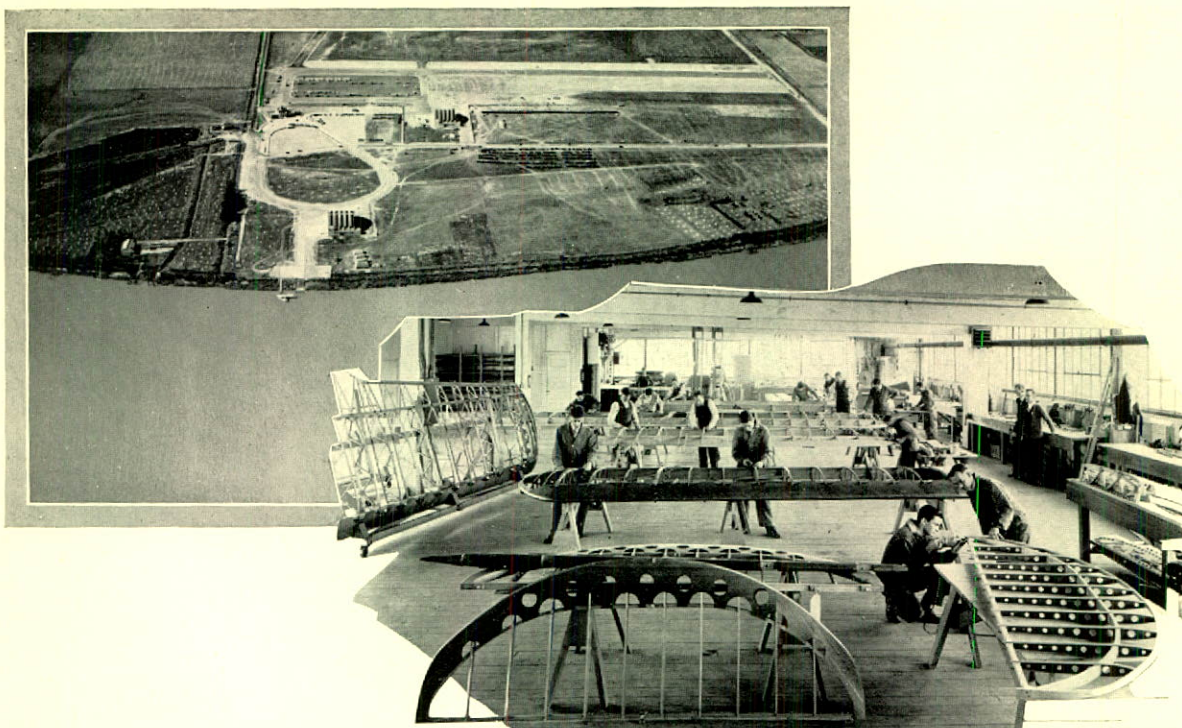


Recent additions to Vancouver's skyline. Top left: Medical-Dental building. Top right: Marine building. Centre: Royal Bank building. Bottom: Canadian National Hotel.

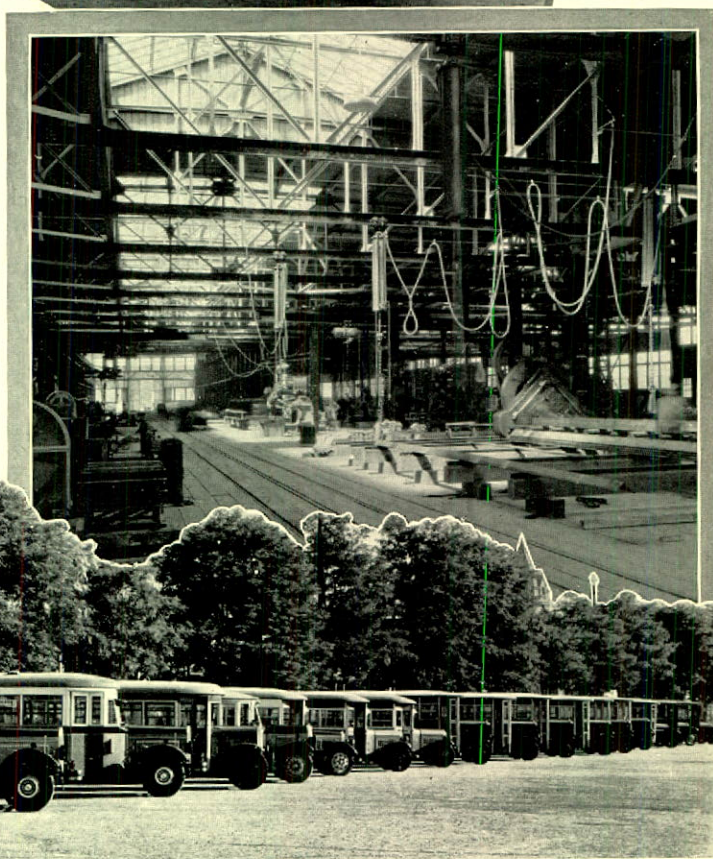


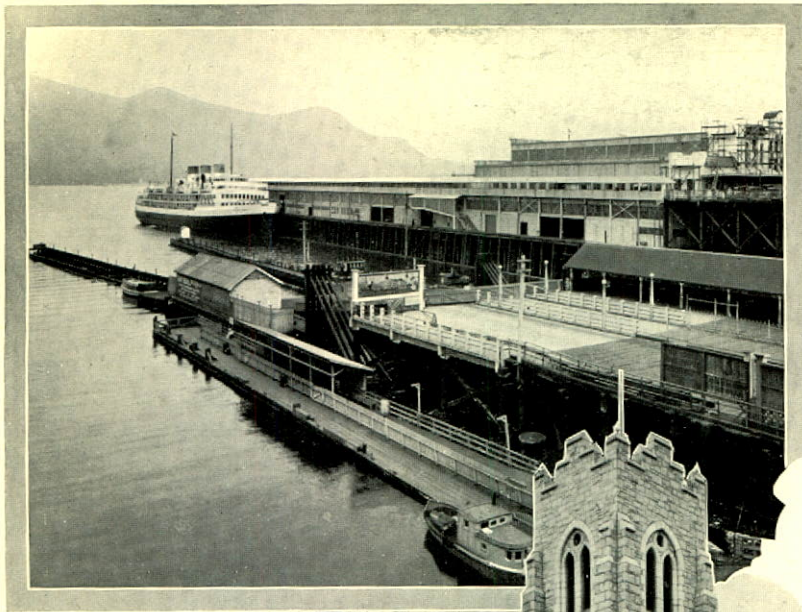
Top: Neon and flood lighting of the company's Granville street store building, Vancouver. Centre: Night baseball, Vancouver, made possible by flood lighting of park by company's engineers. Bottom: "From bush to residential street in two years"—two solid blocks of all-electrical homes, Vancouver.



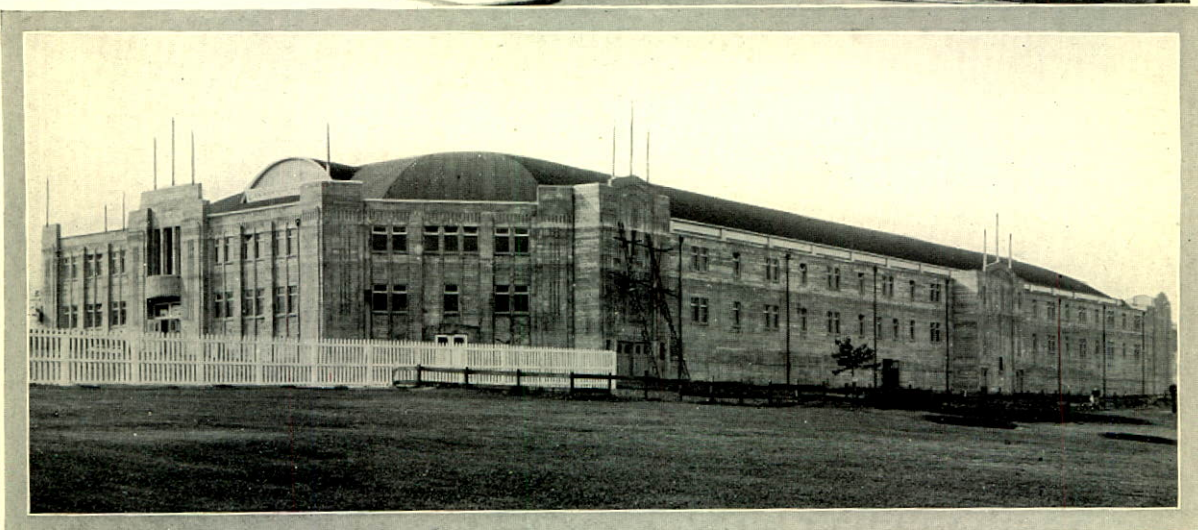
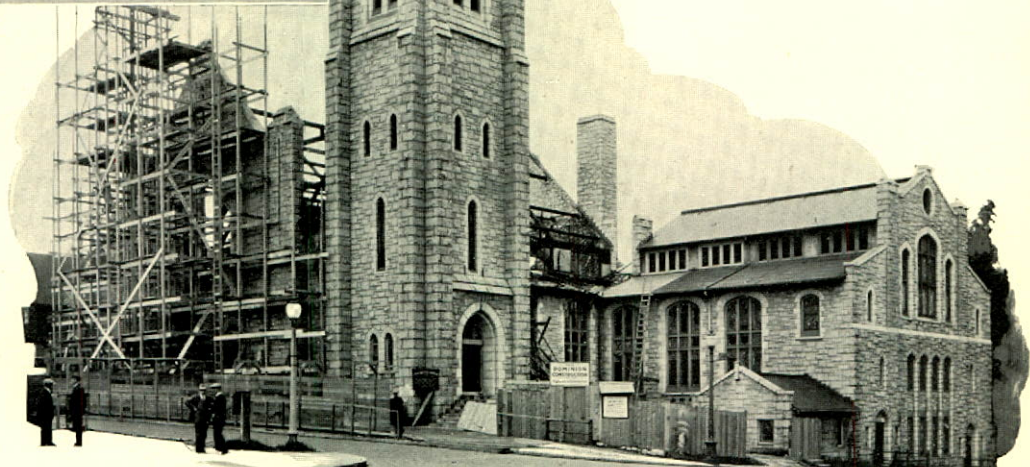


*Top: Vancouver's new air-
 port. Top right: Aeroplane
 making, Vancouver. Right
 centre: Structural steel
 plant. Bottom: Some of
 the motor buses in Vancou-
 ver city transportation ser-
 vice.*



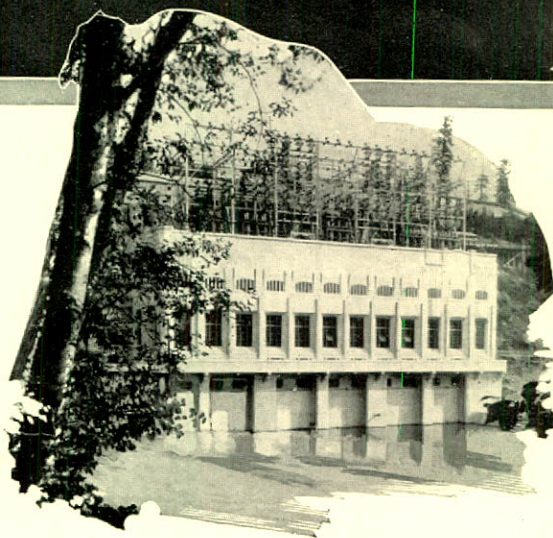


Three outstanding instances of gas heating in Vancouver. Top: The new Canadian National dock. Centre: New First Baptist Church. Bottom: New Building for the Vancouver Exhibition association.





*Light and a source of
light: Vancouver at
night, as seen from
Grouse Mountain, and
a glimpse of the Rus-
kin power plant.*



BRITISH COLUMBIA POWER CORPORATION

ELECTRIC POWER, TRANSPORTATION & GAS SYSTEMS

LEGEND

- | | | |
|--|--|--|
| Transmission Lines | Steam Plants | |
| Projected & under Const. | Gas Plants | |
| Substations | Transmission Lines of connecting Companies | |
| Hydro Electric Plants | Corporation supplies water | |
| Corporation purchases power in bulk & retails to consumers | | |

SCALE : 12 MILES TO 1 INCH

